

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/014566

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K49/00 G01N33/50 G01N33/58 A61B5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61B A61K G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	KUDO ATSUSHI ET AL: "Kupffer cells alter organic anion transport through multidrug resistance protein 2 in the post-cold ischemic rat liver." HEPATOLOGY, vol. 39, no. 4, April 2004 (2004-04), pages 1099-1109, XP009042182 ISSN: 0270-9139 page 1100, column 2, paragraph 3 - page 1101, column 1, paragraph 4 page 1106 - 1108, chapter "Discussion"	1-5
X	EP 0 687 411 A (SENJU PHARMA CO) 20 December 1995 (1995-12-20) example 1 ----- -/--	1-5

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

5 January 2005

Date of mailing of the international search report

24/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Albrecht, S

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>SHERMAN I A ET AL: "HEPATIC TRANSPORT OF FLUORESCENT MOLECULES: IN VIVO STUDIES USING INTRAVITAL TV MICROSCOPY" HEPATOLOGY, WILLIAMS AND WILKINS, BALTIMORE, MD, US, vol. 6, no. 3, 5 June 1986 (1986-06-05), pages 444-449, XP000564785 ISSN: 0270-9139 page 444, column 2, paragraph 5 page 445 - 446, chapter "Experimental Protocol" page 446 - 448, chapter "Discussion"</p>	1-5
X	<p>MORIKAWA NOBUYUKI ET AL: "Discontinuous total parenteral nutrition prevents postischemic mitochondrial dysfunction in rat liver" HEPATOLOGY, vol. 28, no. 5, November 1998 (1998-11), pages 1289-1299, XP009042181 ISSN: 0270-9139 abstract page 1290, column 1, paragraph 4 - page 1291, column 1, paragraph 2</p>	1-5
X	<p>US 5 565 187 A (ZIKRIA BASHIR ET AL) 15 October 1996 (1996-10-15) column 3, line 18 - column 4, line 13 column 5, line 1 - line 19</p>	6,8-10
X	<p>WO 99/42606 A (SERBEDZIJA GEORGE N ; SEMINO CARLOS (US); FROST DEANNA (US); PHYLONIX) 26 August 1999 (1999-08-26) page 5, line 9 - line 12 page 75, line 21 - line 30 page 76, line 11 - page 77, line 9 page 78, line 3 - line 12 page 81, line 29 - page 84, line 24</p>	6,7,9,10
X	<p>WO 03/050535 A (EVOTEC AG ; GREINER ERICH (DE); GUENTHER ROLF (DE); HENCO KARSTEN (DE)) 19 June 2003 (2003-06-19) page 6, paragraph 2 - page 7, paragraph 3 page 9, paragraph 2 - page 10, paragraph 2 page 11, paragraph 3 page 12, paragraph 2 - page 13, paragraph 2 page 17, paragraph 4 - page 18, paragraph 1 page 26, paragraph 2 - page 27, paragraph 1 page 28, paragraph 2 - page 29, paragraph 3</p>	6-10
	----- -/--	

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/014566

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01/98531 A (ORTHO MCNEIL PHARM INC) 27 December 2001 (2001-12-27) page 2, line 19 - page 3, line 14 page 5, line 23 - page 6, line 22 page 7, line 6 - page 8, line 4 -----	6,7,9,10

INTERNATIONAL SEARCH REPORT

national application No.
PCT/JP2004/014566

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 1-10
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 1-10 are directed to a diagnostic method practised on the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/014566

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0687411	A	20-12-1995	JP 7330501 A	19-12-1995
			AT 185676 T	15-11-1999
			CA 2151750 A1	15-12-1995
			DE 69512834 D1	25-11-1999
			DE 69512834 T2	13-04-2000
			EP 0687411 A1	20-12-1995
			ES 2137408 T3	16-12-1999
			US 5660976 A	26-08-1997
US 5565187	A	15-10-1996	NONE	
WO 9942606	A	26-08-1999	AU 749688 B2	04-07-2002
			AU 3307499 A	06-09-1999
			CA 2320406 A1	26-08-1999
			EP 1066402 A1	10-01-2001
			JP 2002504667 T	12-02-2002
			WO 9942606 A1	26-08-1999
			US 6299858 B1	09-10-2001
			US 6656449 B1	02-12-2003
			US 2004062712 A1	01-04-2004
			US 2002025297 A1	28-02-2002
WO 03050535	A	19-06-2003	WO 03050535 A2	19-06-2003
WO 0198531	A	27-12-2001	AU 6826401 A	02-01-2002
			WO 0198531 A1	27-12-2001